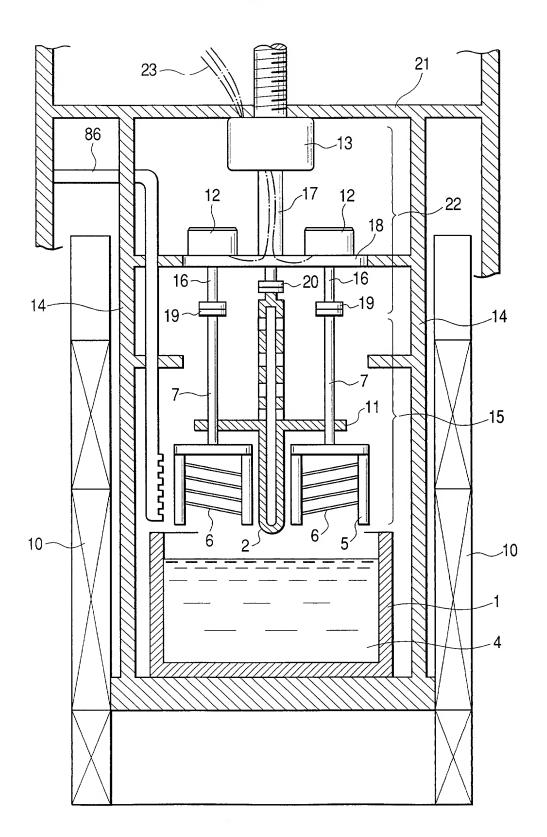
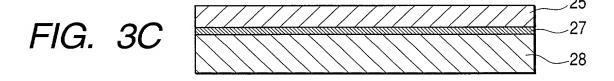


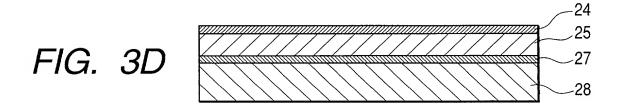
FIG. 2

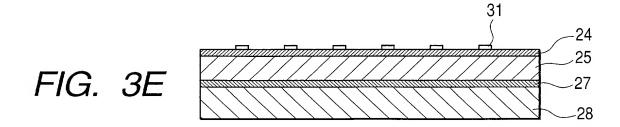














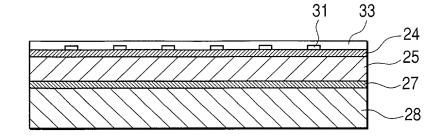


FIG. 4B

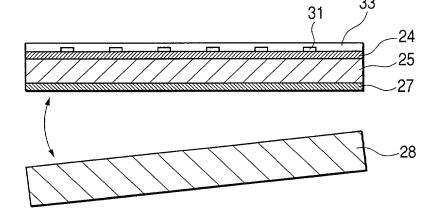


FIG. 4C

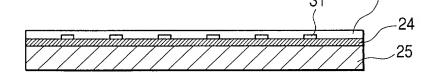


FIG. 4D

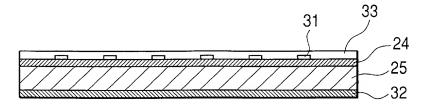


FIG. 5A

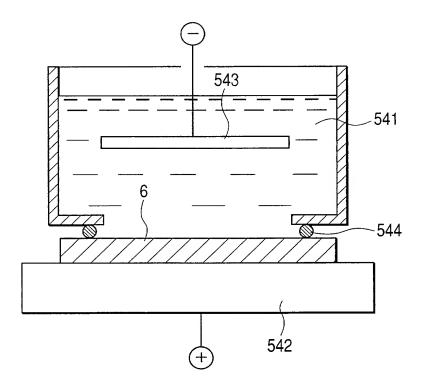


FIG. 5B

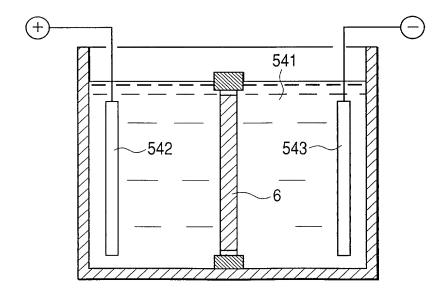


FIG. 6

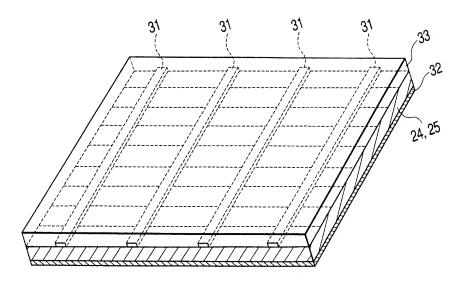
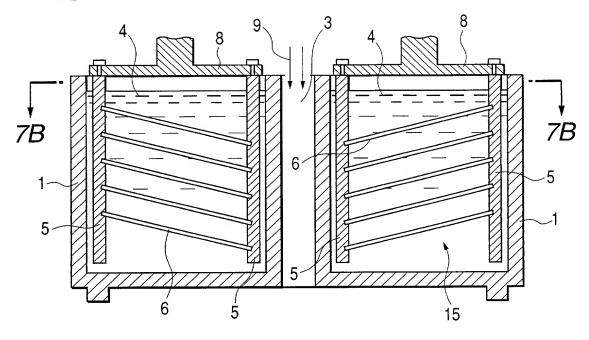


FIG. 7A



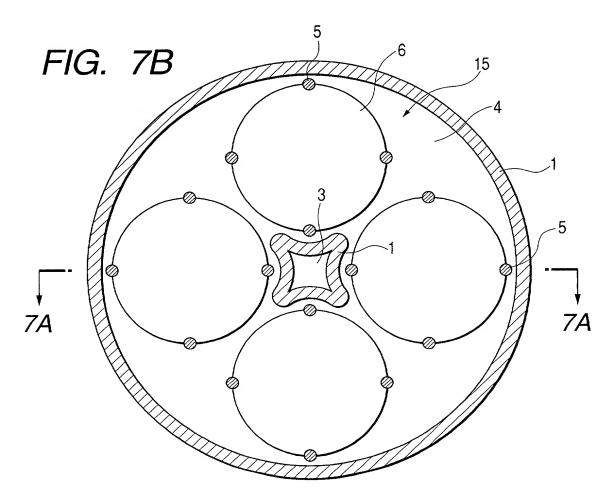
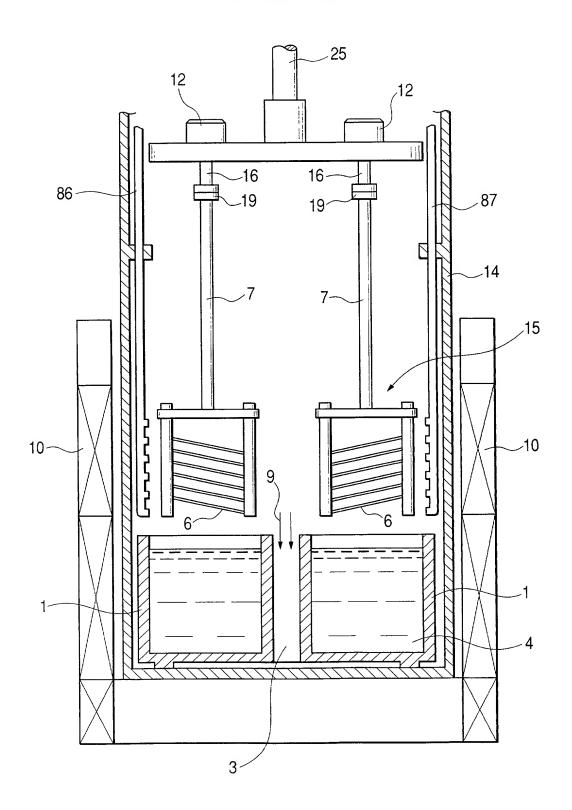
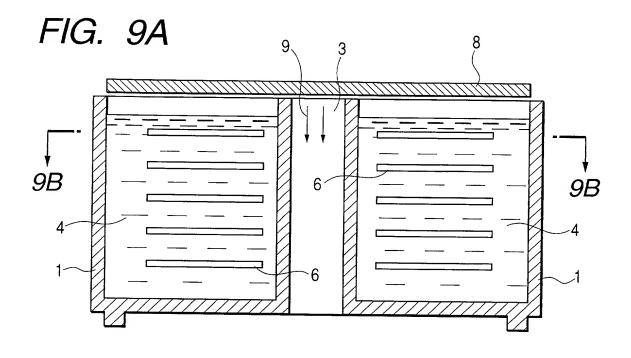
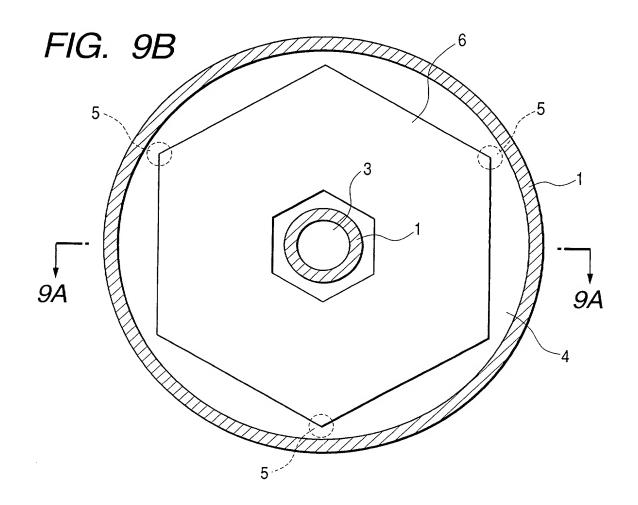


FIG. 8







33 FIG. 10D 37 FIG. 10B _39 FIG. 10A 39

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FIG. 11

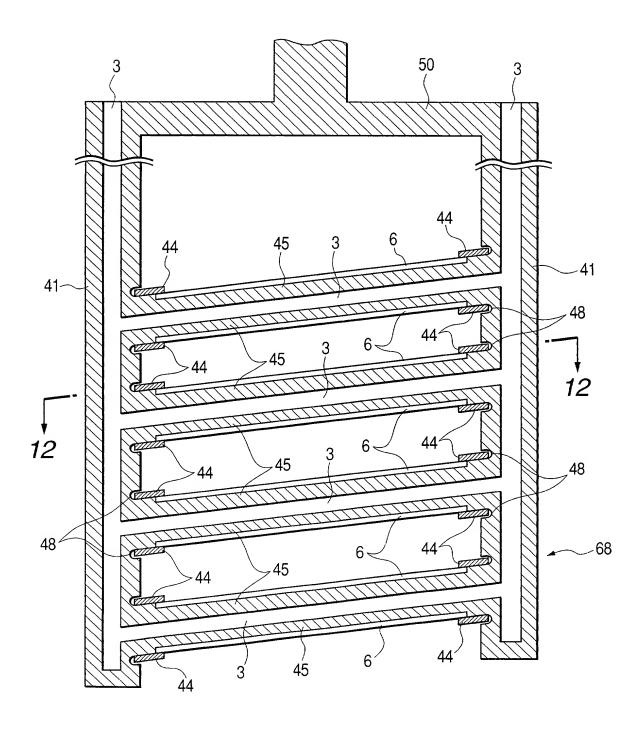
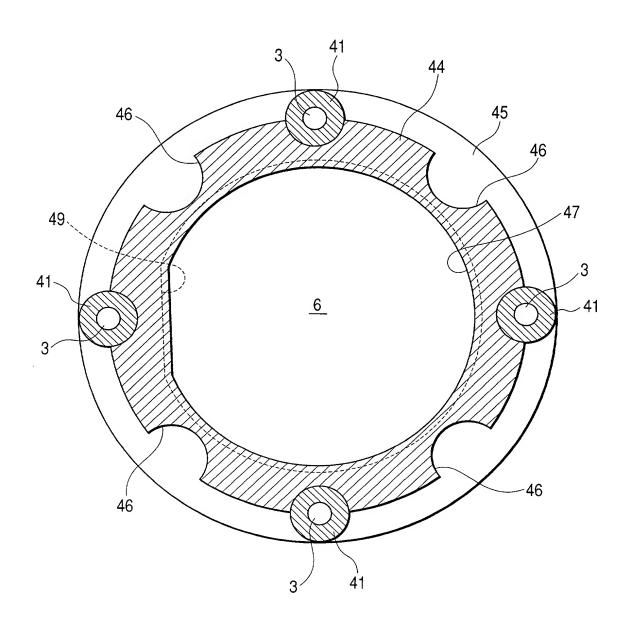


FIG. 12



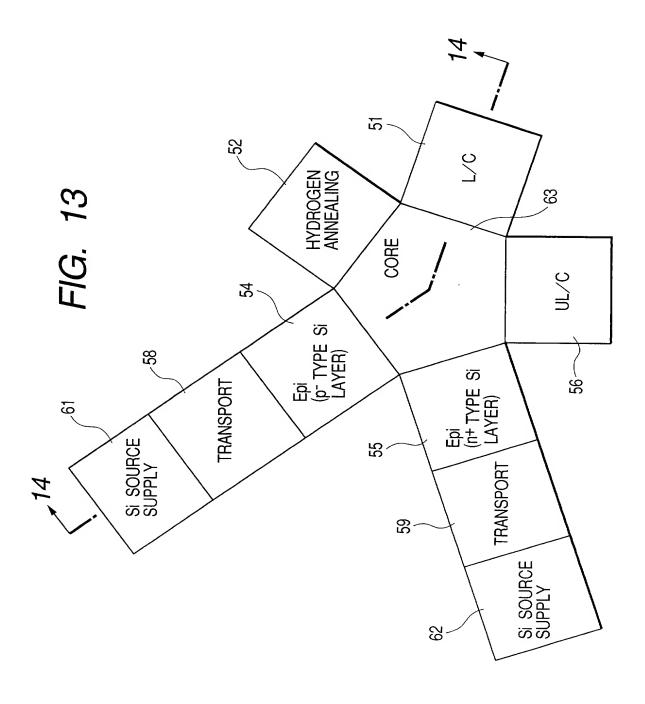
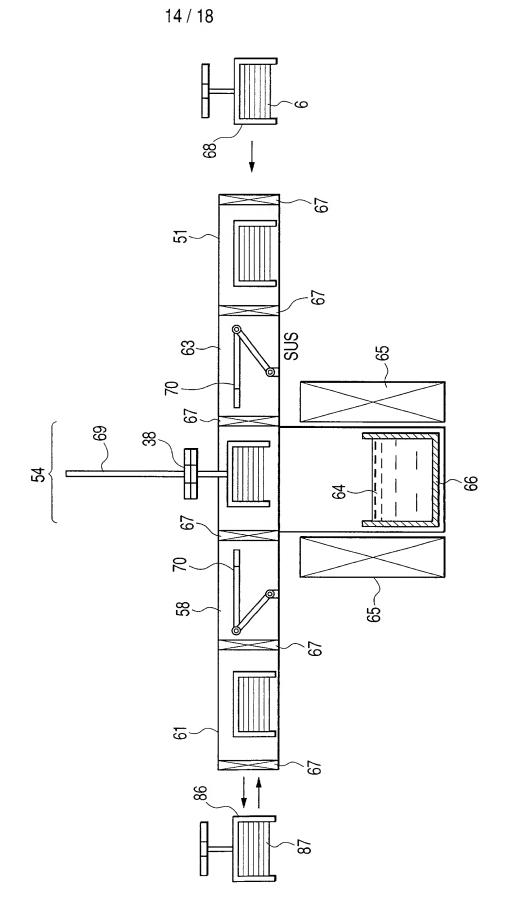


FIG. 14



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TEMPERATURE RISE **UNLOADING 5** SOURCE SUPPLY 20 220 210 -RETAINING GROWTH 30 UNLOADÍNG 5 COOLING 55 200 GROWTH മ 190 FIG. 15 170 160 Ω ANNEALING 10 130 140 150 Temperature Rise B RETAINING 10 COOLING 55 × GROWTH SEQUENCE OF DUAL BATH TYPE LIQUID PHASE GROWTH APPARATUS (A:1ST BATCH B:2ND BATCH) 110 SOURCE SUPPLY 20 90 TEMPERATURE RETAINING RISE മ GROWTH 30 SOURCE SUPPLY 20 TEMPERATURE RISE 30 8 TEMPERATURE RISE, A LOADING 20 8 $\mathbf{\omega}$ 2 **ANNEALING 10** 20 RETAINING 10 9 SOURCE SUPPLY 20 ⋖ 3 TEMPERATURE RISE 30 LOADING 20 20 9 HYDROGEN ANNEALING Epi (p⁻LAYER) Epi (n⁺LAYER) TIME (min)

FIG. 16

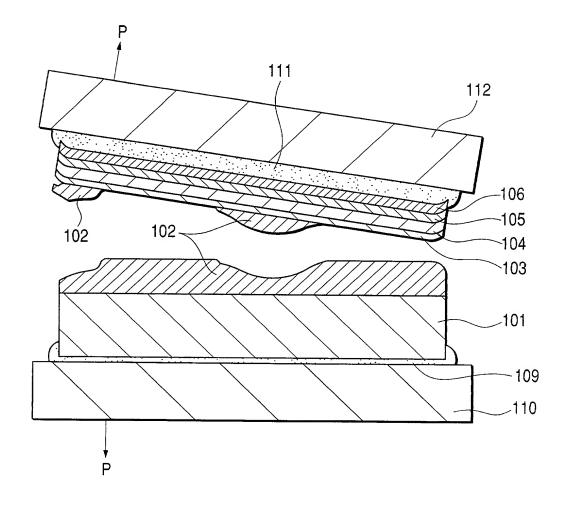


FIG. 17

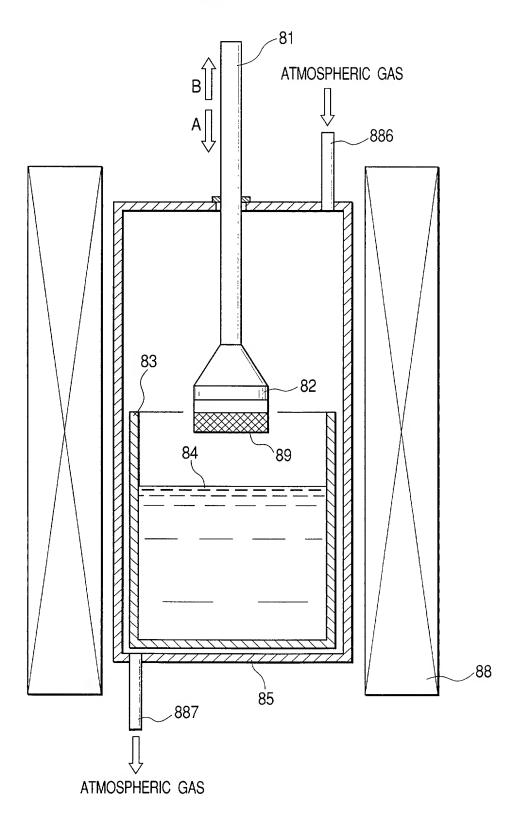


FIG. 18A

FIG. 18B

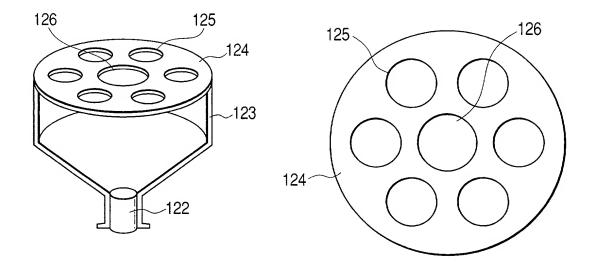


FIG. 18C

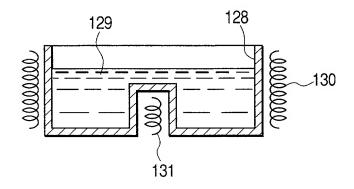


FIG. 19

